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In the Academy of Sciences:
Conference on Ultrasonics

Anonymous.

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[NOTE: The following is a brief article that appeared in the daily Vechernyaya Moskva /Evening Moscow Daily/, Friday 22 February 1952 (No 43 (8557), 1/3 column, in top middle of 2nd page).

As seen below, no specific mention is made of the Acoustics Commission.]

Ultrasonic is the name used for high-frequency sound waves which are inaudible to the human ear. Soviet scientists have performed the service of creating a new branch of technology; namely, ultrasonic defectoscopy - that is, the determination of the quality of various manufactured products with the aid of ultrasonics.

Ultrasonic defectoscopy is based on the ability of ultrasonic waves to penetrate to great depths in metal and other solids and reflect back (i.e. "signal") the presence of any defects which may exist in them. This method of control has been adopted in engineering, metallurgy and other branches of industry. Special devices - ultrasonic defectoscopes first constructed in the Soviet Union - are used for such control.

Ultrasonic waves are also used for studying chemical processes, and for producing effects on various substances etc.

Scientific specialists in ultrasonics, representatives of various Ministries, engineers and technicians and workers in factory laboratories from many cities in the USSR have taken part in a conference on ultrasonics held recently in the Academy of Sciences USSR. Corresponding Member of Academy of Sciences USSR N. S. Andreyev and creator of the ultrasonic defectoscope Professor S. Ya. Sokolov and other scientists and specialists told of new achievements in the study and application of ultrasonics. New instruments recently constructed were demonstrated at the conference.

The conference also discussed certain problems connected with the application of ultrasonics in biology, medicine and other sciences.

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